

Claims

1. A printing press with at least one forme cylinder (02) for imprinting a web (01, 19) of material, and having at least one longitudinal cutting device (07, 17, 21) for cutting the web (01, 19) of material into partial webs (14, 16, 22, 23, 24), wherein the forme cylinder (02) is equipped with printing plates for n pages in width, wherein n is a natural number divisible by three and wherein n pages are less in width and n+1 pages are greater in width than a width (b02) of the forme cylinder (02), and the longitudinal cutting device (17, 21) can be placed on a boundary between a k-th and a k+1-th page, wherein k is one or two thirds of n, and wherein at least one of the partial webs (14, 16, 22, 23, 24) is conducted through a former (06), whose entry direction in the area of the longitudinal cutting device (17, 21) extends transversely in respect to the web running direction, and the former (06) has an effective width (b06) which is greater than or equal to two thirds, but less than the entire usable width (b02) of the forme cylinder (02).

2. A printing press with at least one forme cylinder (02) for imprinting a web (01, 19) of material, and having at least one longitudinal cutting device (07, 17, 21) for cutting the web (01, 19) of material into partial webs (14, 16, 22, 23, 24), wherein the forme cylinder (02) is equipped with printing plates for n pages in width, wherein n is a natural number divisible by three and wherein n pages are less in width and n+1 pages are greater in width than a width (b02) of the forme cylinder (02), and the longitudinal cutting device (17, 21) can be placed on a boundary

between a k-th and a k+1-th page, wherein k is one or two thirds of n, and wherein at least one partial web (16) of one-third width is conducted centered onto a former (06), whose entry direction in the area of the longitudinal cutting device (17, 21) extends transversely in respect to the web running direction, and which has at least an effective width (b₀₆) for longitudinally folding a half of a maximum width (b_{max}) of a web (19) which can be imprinted by the printing press.

3. The printing press in accordance with claim 1 or 2, characterized in that at least one further longitudinal cutting device (07) is provided in an apex of the former (06) for cutting the partial web (14, 22, 23, 24) in the longitudinal direction.

4. The printing press in accordance with one of the preceding claims, characterized in that at least one transverse cutter (09, 13) for cutting the partial webs (14, 16, 22, 23, 24) into signatures is provided.

5. The printing press in accordance with claim 4, characterized in that a stapling device (27) for stapling the signatures is provided.

6. The printing press in accordance with one of the preceding claims, characterized in that at least one folding apparatus (11, 12) is provided.

7. The printing press in accordance with claim 2, characterized in that the former (06) has a width which is greater

than or equal to two thirds, but less than the entire width of the forme cylinder (02).

8. The printing press in accordance with claim 1 or 2, characterized in that the forme cylinder (02) is designed for imprinting six side-by-side arranged printed pages, in particular newspaper pages in broadsheet format.

9. The printing press in accordance with claim 1, characterized in that a partial web (16) of one-third width resulting from a whole web (01, 19), as well as the remaining partial web (14) of two thirds width, are conducted to a mutual former (06) for further processing.

10. The printing press in accordance with claim 1 or 2, characterized in that a partial web (16) of one-third width is conducted centered onto a former (06) which has at least a width for longitudinal folding of a web of half width.

11. The printing press in accordance with claim 1 or 2, characterized in that selectively in a first operating position a web of half width, and in a second operating position a web of one third width, are conducted centered onto the same former (06).

12. The printing press in accordance with claim 1 or 2, characterized in that the former (06) is arranged fixed on the frame in respect to a direction transversely to the entry direction.

13. The printing press in accordance with claim 1 or 2, characterized in that on their way to the former (06) the partial webs (14, 16, 22, 23, 24) being created at the longitudinal cutting device are conducted over turning bars (04, 18, 26), at least one of which has an effective length for deflecting a partial web corresponding at least to half the width (b_{max}) of the web (19) which is to be maximally processed.

14. The printing press in accordance with claim 1 or 2, characterized in that in that on their way to the former (06) the partial webs (14, 16, 22, 23, 24) being created at the longitudinal cutting device are conducted over turning bars (04, 18, 26), at least one of which has an effective length for deflecting a partial web (14) corresponding at least to two thirds of the width (b_{max}) of the web (19) which is to be maximally processed.

15. The printing press in accordance with claim 13 or 14, characterized in that all turning bars (04, 18, 26) assigned to the partial webs (14, 16, 22, 23, 24) of this web (01, 19) have this effective length.

16. The printing press in accordance with claim 1 or 2, characterized in that on their way to the former (06) the partial webs (14, 16, 22, 23, 24) being created at the longitudinal cutting device are conducted over turning bars (04, 18, 26), at least one of which can be moved in a plane of the incoming and/or outgoing web in such a way that, with webs (01, 19) of different width, the respective partial webs (14, 16, 22, 23, 24) made from them can be correctly aligned in their relative lateral position

in respect to each other and/or with their centers relative to to the former tip of the former.

17. The printing press in accordance with claim 16, characterized in that all turning bars (04, 18, 26) assigned to the partial webs (14, 16, 22, 23, 24) of this web (01, 19) can be moved in this way in the plane of the incoming and/or outgoing partial webs (14, 16, 22, 23, 24).

18. The printing press in accordance with claim 2, 9 or 11, characterized in that the partial web (16) of one third width has two side-by-side arranged vertical printed pages, in particular newspaper pages in broadsheet format.

19. The printing press in accordance with claim 1 or 2, characterized in that the partial webs (14, 16, 22, 23, 24) guided onto the former (06) are previously passed an odd number of turning bars (04, 18, 26).

20. The printing press in accordance with claim 1 or 2, characterized in that the effective width (06) of the former (06) is the width of the former (06) transversely in respect to the entry direction in the area of the run-up of the partial web (14, 16, 22, 23, 24).

21. The printing press in accordance with claim 1 or 2, characterized in that the usable width (b02) of the forme cylinder (02) in the axial direction of the cylinder (02) corresponds to the maximum print or ink transfer area.